

Subst. Form PTO-1449				Pocket Number (Optional) 57622-036 (ELZ-1)	Application Number 09/815,768	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION				Applicant John P. Kroeker		RECEIVED
(Use several sheets if necessary)				Filing Date March 23, 2001	Group Art Unit	AUG 02 2001

Technology Center 2600

U. S. Patent Documents

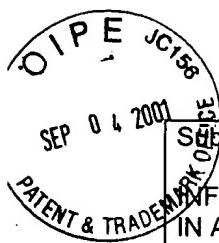
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.L.	A-1	5,647,002	7/8/97	Brunson	380	49	9/1/95
T.L.	A-2	5,659,542	8/19/97	Bell et al	370	496	3/3/95
T.L.	A-3	5,687,212	11/11/97	Kinser, Jr. et al	379	10	11/1/95
T.L.	A-4	5,864,614	1/26/99	Farris et al	379	207	7/11/96
T.L.	A-5	5,083,268	1/21/92	Hemphill et al	395	12	8/27/90
T.L.	A-6	5,369,726	11/29/94	Kroeker et al	395	2.45	2/9/93
T.L.	A-7	5,457,768	10/10/95	Tsuboi et al	395	2.4	8/12/92
T.L.	A-8	5,687,384	11/11/97	Nagase	395	759	10/12/94
T.L.	A-9	5,729,656	3/17/98	Nahamoo et al	395	2.63	11/30/94
T.L.	A-10	5,748,841	5/5/98	Morin et al	395	2.66	4/10/97

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE .	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.



INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional), 57622-036 (ELZ-1)	Application Number 09/815,768		
				Applicant John P. Kroeker			
				Filing Date March 23, 2001	Group Art Unit		
U. S. Patent Documents							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.L.		5,027,408	6/25/91	Kroeker et al	381	41-45	4/9/87
T.L.		5,168,524	12/1/92	Kroeker et al	381	43	8/17/89
T.L.		6,052,682	4/18/00	Miller et al	707	3	5/2/97
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES      NO
OTHER DOCUMENTS ( <i>Including Author, Title, Date, Pertinent Pages, Etc.</i> )							
T.L.		Makhoul, J. and R. Schwartz, State of the art continuous speech recognition, Proc. Natl. Acad. Sci. USA, Vol. 92, pp. 9956-9963, 1995					
T.L.		Houlding, David, Voice XML and the Voice-Driven Internet, Dr. Dobb's Journal, April 2001					
EXAMINER <i>Tim Law</i>				DATE CONSIDERED <i>2/13/04</i>			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.							

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.

Subst. Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  <i>(Use several sheets if necessary)</i>				Docket Number (Optional) 57622-036 (ELZ-1)	Application Number 09/815,768		
				Applicant John P. Kroker			
				Filing Date March 23, 2001	Group Art Unit		
U. S. Patent Documents							
EXAMINER NAME	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JUN 08 2001</i>							
<i>RECEIVED</i>							
<i>JUN 12 2001</i>							
<i>Technology Center 2600</i>							
FOREIGN PATENT DOCUMENTS							
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES      NO
<i>-----</i>							
<i>-----</i>							
<i>-----</i>							
<i>-----</i>							
<i>-----</i>							
OTHER DOCUMENTS ( <i>Including Author, Title, Date, Pertinent Pages, Etc.</i> )							
T.L.	C-1	K. Weber, IDIAP Research Report, Multiple Timescale Feature Combination Towards Robust Speech Recognition, September 2000					
T.L.	C-2	Sharma, et al., Feature Extraction Using Non-Linear Transformation for Robust Speech Recognition on the Aurora Database, pg 1117-1120					
T.L.	C-3	Wu, et al., Incorporating Information from Syllable-Length Time Scales into Automatic Speech Recognition,					
T.L.	C-4	Institute of Phonetic Sciences, Flexible, Robust, and Efficient Human Speech Recognition, 1997, 1-10					
T.L.	C-5	Bourlard, et al., Speech Communication 18 (1996), Towards Increasing Speech Recognition Error Rates, 205-231					
T.L.	C-6	Kingsbury, Dissertation re: Perceptually Inspired Signal-Processing Strategies for Robust Speech Recognition in Reverberant Environments, 1998					
T.L.	C-7	Sharma, Dissertation re: Multi-Stream Approach to Robust Speech Recognition, 1999					
EXAMINER <i>Tim Lao</i>				DATE CONSIDERED <i>2/13/04</i>			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.							

Subst. Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)				Docket Number (Optional) 57622-036 (ELZ-1)	Application Number 09/815,768		
				Applicant John P. Kroeker			
				Filing Date March 23, 2001	Group Art Unit		
U. S. Patent Documents							
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.L.		6,173,279	1/9/01	Levin et al.			
T.L.		6,134,548	10/17/00	Gottzman et al.			
T.L.		6,233,561	5/15/01	Junqua et al.			
T.L.		6,173,261	1/9/01	Arai et al.			
T.L.		6,154,720	11/28/00	Onishi et al.			
FOREIGN PATENT DOCUMENTS							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
EXAMINER Tim Lao				DATE CONSIDERED 2/13/04			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.							

<b>INFORMATION DISCLOSURE CITATION</b> <small>(Use several sheets if necessary)</small>				Docket Number (Optional) <b>57622-036 (ELZ-1)</b>		Application Number <b>09/815,768</b>	
				Applicant(s) <b>John P. Kroeker</b>			
				Filing Date <b>March 23, 2001</b>	Group Art Unit <b>H3</b>		
<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T.L.	A-1	<b>5,799,276</b>	<b>8/25/98</b>	Komissarchik et al.	<b>704</b>	<b>251</b>	<b>11/7/95</b>
T.L.	A-2	<b>5,822,728</b>	<b>10/13/98</b>	Applebaum et al.	<b>704</b>	<b>254</b>	<b>9/8/95</b>
T.L.	A-3	<b>5,822,729</b>	<b>10/13/98</b>	Glass	<b>704</b>	<b>255</b>	<b>6/5/96</b>
T.L.	A-4	<b>5,825,977</b>	<b>10/20/98</b>	Morin et al.	<b>395</b>	<b>2.64</b>	<b>9/8/95</b>
T.L.	A-5	<b>5,835,890</b>	<b>11/10/98</b>	Matsui et al.	<b>704</b>	<b>255</b>	<b>4/9/97</b>
<b>FOREIGN PATENT DOCUMENTS</b>							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
T.L.	C-1	S. Okawa, et al., Dept. of Information and Computer Science, Waseda University, Estimation of Statistical Phoneme Center Considering Phonemic Environments, pp 1069-1072					
T.V.	C-2	L. Atlas, et al., Dept. of Electrical Engineering, University of Washington, Quadratic Detectors for General Nonlinear Analysis of Speech, pp II-9-II-12.					
EXAMINER <i>Tim Law</i>				DATE CONSIDERED <i>2/13/04</i>			
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Subst. Form PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  (Use several sheets if necessary)					Docket Number (Optional) 57622-036 (ELZ-1)	Application Number 09/815,768		
					Applicant John P. Kroker			
					Filing Date March 23, 2001	Group Art Unit		
U. S. PATENT AND TRADEMARK OFFICE Documents								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
<b>RECEIVED</b>								
MAR 29 2002								
Technology Center 2600								
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
T.L.	C-1	K. Weber, IDIAP Research Report, Multiple Timescale Feature Combination Towards Robust Speech Recognition, September 2000						
T.L.	C-2	Sharma, et al., Feature Extraction Using Non-Linear Transformation for Robust Speech Recognition on the Aurora Database, pg 1117-1120						
T.L.	C-3	Wu, et al., Incorporating Information from Syllable-Length Time Scales into Automatic Speech Recognition,						
T.L.	C-4	Institute of Phonetic Sciences, Flexible, Robust, and Efficient Human Speech Recognition, 1997, 1-10						
T.L.	C-5	Bourlard, et al., Speech Communication 18 (1996), Towards Increasing Speech Recognition Error Rates, 205-231						
T.L.	C-6	Kingsbury, Dissertation re: Perceptually Inspired Signal-Processing Strategies for Robust Speech Recognition in Reverberant Environments, 1998						
T.L.	C-7	Sharma, Dissertation re: Multi-Stream Approach to Robust Speech Recognition, 1999						
EXAMINER Tim Lao				DATE CONSIDERED 2/13/04				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.								